



# 8

## SEQUENCE LISTING

<110> KORNBLUTH, SALLY A  
HOLLEY, CHRISTOPHER

<120> REAPER PROTEIN

<130> 1579-470

<140> 09/924,102  
<141> 2001-08-08

<150> 60/223,699  
<151> 2000-08-08

<160> 14

<170> PatentIn Ver. 2.1

<210> 1  
<211> 65  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Drosophila Reaper

<400> 1

Met Ala Val Ala Phe Tyr Ile Pro Asp Gln Ala Thr Leu Leu Arg Glu  
1 5 10 15

Ala Glu Gln Lys Glu Gln Gln Ile Leu Arg Leu Arg Glu Ser Gln Trp  
20 25 30

Arg Phe Leu Ala Thr Val Val Leu Glu Thr Leu Arg Gln Tyr Thr Ser  
35 40 45

Cys His Pro Lys Thr Gly Arg Lys Ser Gly Lys Tyr Arg Lys Pro Ser  
50 55 60

Gln  
65

<210> 2  
<211> 81  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: human Reaper

<400> 2

Met Leu Leu Ser Thr His Leu Phe Ile Tyr Leu Phe Ile Tyr Phe Leu  
1 5 10 15

Ser Tyr Ser Leu Gly Asp Arg Ala Arg Leu Cys Leu Arg Lys Thr Lys  
20 25 30

Gln Gln Gln Lys Glu Gln Gln Ile Leu Arg Gln Ser Glu Val Leu Phe  
35 40 45

Arg Ser Glu Thr Leu Arg Lys Thr Gly Lys Lys Gly Arg Arg Trp Gly  
50 55 60

Gly Gln Gly Gly Arg Gly Gly Thr Ala Asp Thr Gly Gly Met Phe Leu  
65 70 75 80

Ser

<210> 3

<211> 75

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: human Reaper

<400> 3

Met Val Leu Arg Gly Pro Ala Pro Leu Glu Leu Ile Leu Gln Pro Cys  
1 5 10 15

Trp Ala Gln Val Gly Arg Ala Gly Val Ala Arg Gly Ala Thr His Cys  
20 25 30

Val Pro Ser Pro Ser His Cys Ala Ser Asp His Asn Pro Ser His Leu  
35 40 45

Leu Ala Thr Asp Leu Pro Ser Val Ser Phe Ile Leu Tyr Phe Ile Thr  
50 55 60

Asn Ile Ser Thr Gln Thr Cys Cys Thr Phe Ser  
65 70 75

<210> 4

<211> 246

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: human Reaper encoding sequence

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ggcgacagag ctagactctg tctcagaaaa acaaaaacaac aacaaaaaga aaaacagatt 120  
ctaaggcaaa gtgaagttt attcaggagt gaaactttaa ggaagacagg gaaaaaggaa 180  
aggcggtggg gggggcaggg gggcagggga gggacagcag atacaggcgg tatgttccta 240  
agctga 246

<210> 5  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: human Reaper

<400> 5  
Lys Glu Lys Gln Ile Leu Arg Gln Ser Glu Val Leu Phe Arg Ser Glu  
1 5 10 15

Thr Leu Arg Lys  
20

<210> 6  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 6  
tccctctgtg ctaactcctt tgg 23

<210> 7  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 7  
ccccaaagctt accttccctt tttccctgtc ttc 33

<210> 8  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 8  
gcgcatccat gggcgacaga gctagactc 29

<210> 9  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 9  
ccaccctgta cttcagataa taagcaaccc 30

<210> 10  
<211> 22  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 10  
tgggccctct gggaaggctg tg 22

<210> 11  
<211> 30  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 11  
ggaattctga tgctgctgtc gactcattta 30

<210> 12  
<211> 33  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 12  
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<210> 13  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 13  
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<210> 14  
<211> 36

<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 14  
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36